

FIGURE 1A

NUCLEOTIDE SEQUENCE OF NS2/3 (810-1206) ST (SEQ ID. No. 1)

atggaccggg agatggctgc atcgtgcgga ggcgcgggtt tcataggtct tgcactcttg
 acctgtgcac catactataa agtgctcctc gctagggtca tatggtggtt acagtattta
 atcaccagag tcgaggcgca ctgcaagtg tggatcccc ctctcaatgt tcggggaggc
 cgcgatgcc aatcctcct cactgcgca gtccaccag agctaactct tgacatcacc
 aaactcctgctcgccatattcggtccgctcatggtgctccaggcaggcataaccaagtgcctac
 ttcgtgcgtg cgcaggggct cattcgtgcg tgtatgttg tgcggaaggc tgcggggggt
 cattatgtcc aaatggcctt catgaagcta gctgcgctga caggtacgta cgtttatgac
 catctcactc cattgcagga ttggggccac gcgggacctac gagaccttgc agtgccggta
 gagcccgta cttctctga catggaggtc aagatcatca cctggggggc ggacaccgcg
 gcatgcgggg acatcatttc aggtctgccc gtctccgctc gaaggggaag ggagatactc
 ctgggaccgg ccgataattt tgaagggcag ggggtggcgac tccttgccc catcacggcc
 tactcccaac agacacgggg cctacttgggt tgcacatca ccagctcac aggccgggac
 aagaaccagg tcgaggggga ggttcaagt gtctccacc ctacacaatc ttctctggcg
 acctgcgtca acggcggtgt ttggactgtc ttccatggcg ccgggtcaaa gaccttggcc
 ggcccaaaag gcccaatcac ccagatgtac actaatgtgg accaggacct cgtcggtggtg
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 ctgctctccc ccaggcctgt ctctacttg aagggtctct cgggtggccc actgctctgc
 cttcggggc acgttggtgg catcttccg gctgctgtgt gcaccgggg ggttgcaaaa
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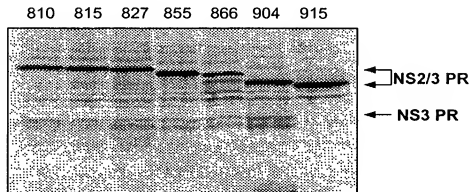
FIGURE 1B

AMINO ACID SEQUENCE OF NS2/3 (810-1206)-ST (SEQ ID NO. 2)

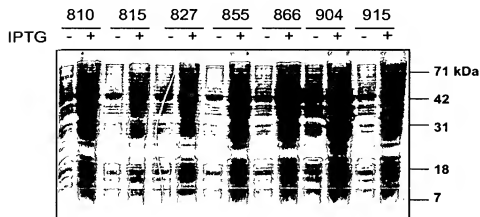
MDREMAACSG GAVFIGLALL TSPYYKVLL ARLIWWLQYL ITRVEAHLQV WIPPLNVRGG DAIILLTCA
 VHPELIFDIT KLLLAIFGPL MVLQAGITKV PYFVRAQGLI RACMLVRKAA GGHYVQMAFM KLAALTGTYY
 YDHLTPLQDW AHAGLRDLAV AVEPVIFSDM EVKIITWGAD TAACGDIISG LPVSARRRGE ILLGPADNFE
 GQGWRLLEAPI TAYSQQTRGL LGCIITSLTG RDKNQVEGEV QVVSTATQSF LATCVNGVCW TVFHGAGSKT
 LAGPKGPITQ MYTNVDQDLV GWQAPFGARS MTPCTCGSSD LYLVTRHADV IPVRRRGDSR GSLLSPRPVS
 YLKGSSGGPL LCPSGHAVGI FRAAVCTRGV AKAVDFIPVE SMETIMRTSS AWRHPQFGG

FIGURE 2

A. *in vitro* translated N-terminal deletion mutants



B. *E. coli* expression - SDS-PAGE



C. *E. coli* expression - Immunoblot with anti-NS3

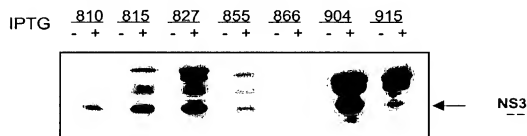


FIGURE 3



4k 6H NS2/3(904-1206)-ST-4K

FIGURE 4

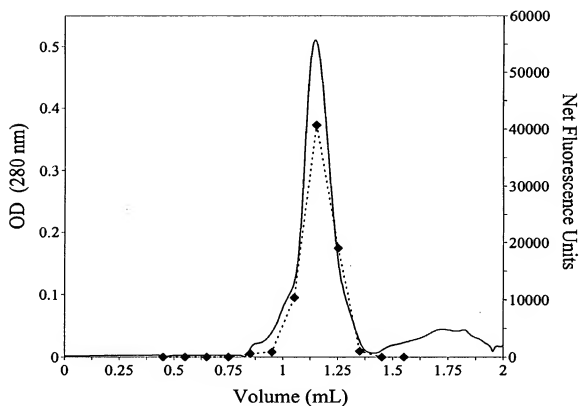


FIGURE 5

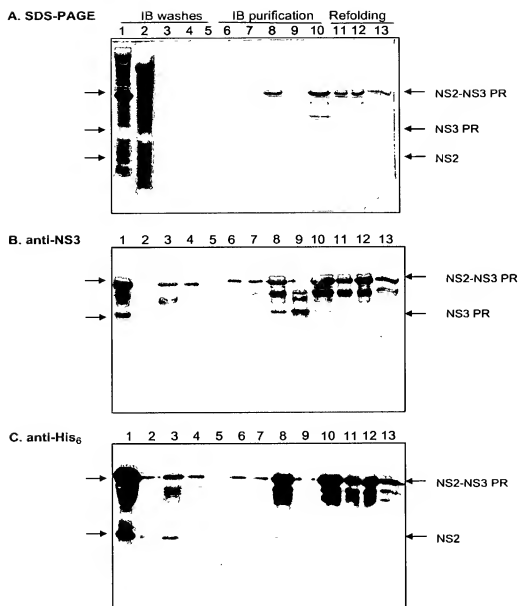


FIGURE 6

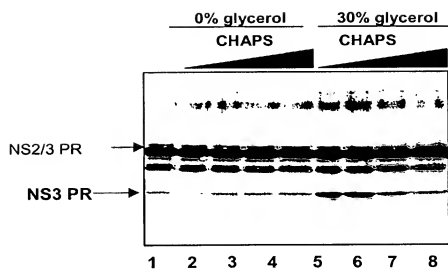


FIGURE 7

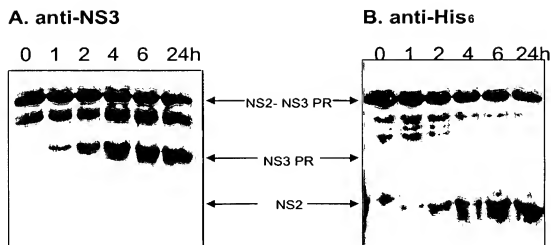


FIGURE 8

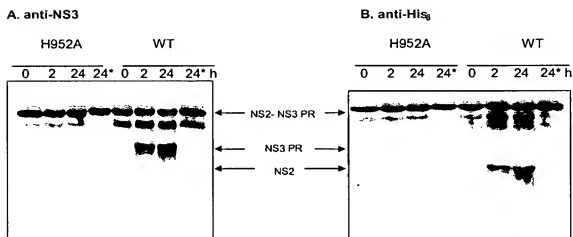


FIGURE 9A
NUCLEOTIDE SEQUENCE OF 4K-6H-NS2/3 (904-1206) ST-4K
(SEQ ID NO. 3)

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atgaaaaaaga aaaagctcga gcataccat caccatcaca ctagtgcagg cataacaaa
gtgccgtact tcgtgcgtgc gcaggggctc attcgtgcgt gtatgttggg gcggaaggct
gcgggggggtc attatgtcca aatggccttc atgaagctag ctgcgctgac aggtacgtac
gtttatgacc atctcactcc attgcaggat tggggccacg cgggcctacg agaccttgca
gtggcggtag agcccgctcat cttctctgac atggagggtca agatcatcac ctggggggcg
gacaccgcgg catgcgggga catcatttca ggtctgcccg tctccgctcg aaggggaagg
gagatactcc tgggaccggc cgataatttt gaagggcagg ggtggcgact ccttgcgcc
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gacctctatt tggtcacgag acatgccgac gtcatctcgg tgcgcggcg gggcgacagt
aggggggagc tgctctcccc caggcctgtc tctacttga agggctcttc ggggtggcca
ctgctctgcc cttcggggca cgttgtgggc atcttccggg ctgctgtgtg caccggggg
gttgcaaaaag cgggtggactt catacctggt gagtctatgg aaactaccat cgggactagt
agcgcttggc gtcacccgca gttcggtggt aaaaagaaa agtaaggatc c

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FIGURE 9B
AMINO ACID SEQUENCE OF 4K-6H-NS2/3 (904-1206) ST-4K
(SEQ ID NO. 4)

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MKKKKLEHHH HHHTSAGITK VPYFVRAQGL IRACMLVRKA AGGHYVQMAF MKLAALTGTY 60
VVDHLTPLQD WAHAGLRDLA VAVEPVIFSD MEVKIITWGA DTAACGDIIS GLPVSARRRG 120
EILLGPADNF EGQWRLLAP ITAYSQQTRG LIGCIITSLT GRDKNQVEGE VQVVSTATQS 180
FLATCVNGWC VTFVHGAGSK TLAGPKGPIT QMYTNVDQDL VGWQAPPGAR SMPPTCGSS 240
DLYLVTRHAD VIPVRRRGDS RGSLLSPRPV SYLKSSGGP LLCPSGHAVG IFRAAVCTRG 300
VAKAVDFIPV ESMETMTRS SAWRHPOFGG KKKK 337

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FIGURE 10

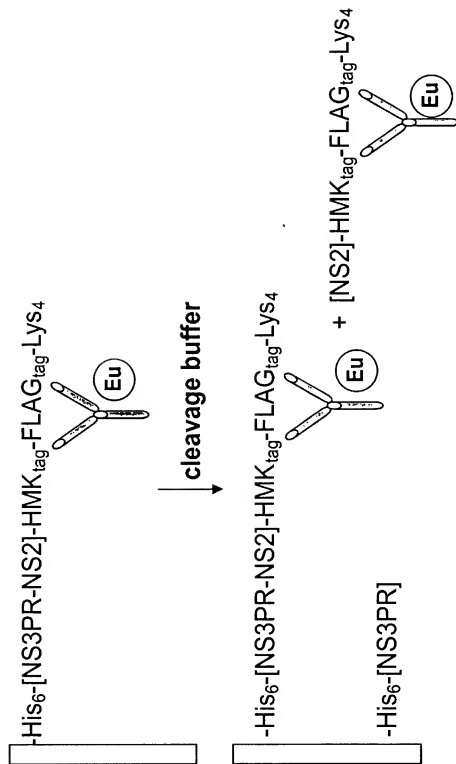


FIGURE 11

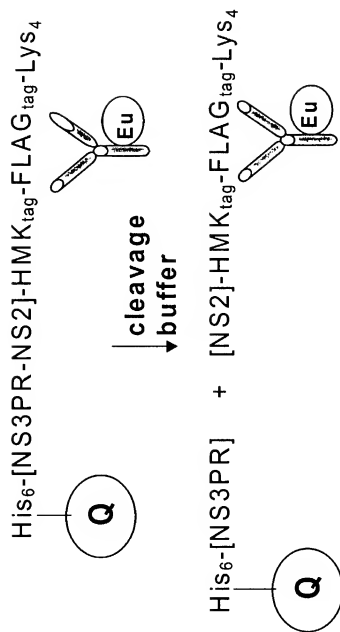


FIGURE 12

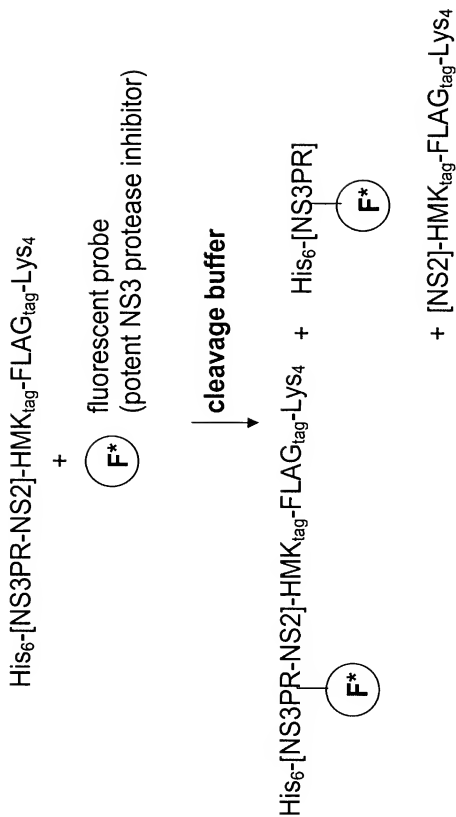


FIGURE 13

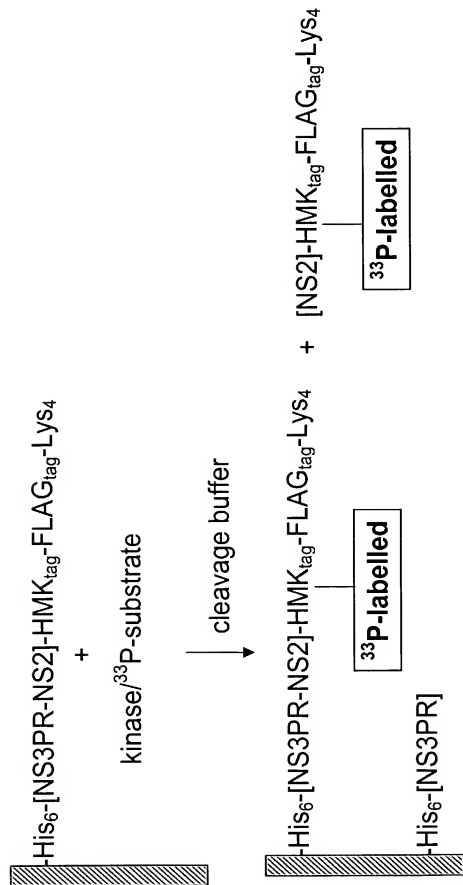


FIGURE 14

